RAYAT AL-SHARQ راية الشرق
For Trading, General Contracting, General Transportation & Inspection Services LTD Company

Al-Burjesia, Basra-Iraq
+9647703178132
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http://www.ras-iq.com
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CERTIFICATE OF THOROUGH EXAMINATION

This report complies with the Lifting Operation and Lifting Equipment Regulations

Date of Through Examination: 01/11/2026	Date of Report: 01/11/2026	Report Number: **RAS-U-2601103002**

Description and identification of the equipment:

Mobile Crane, Diesel powered, Hydraulic Operated, Telescoping Boom

Manufacturer: SANY
Year of Manufacture: 2022
Model: SYM5416(STC500E)
Serial Number: TC2050CCD176
Chassis Number: LFCNNF6P5N2002998
Plate Number: 14 A99550

Name and address of employer for whom the thorough examination was made:
ZAIN AL-AEMAL COMPANY
Address of premises at which the examination was made:
RAS YARD / AL-BURJESIA

Main Hoist Wire Diameter: 18(mm)
Auxiliary Hoist Wire Diameter: 18(mm)
Main Hoist Capacity: 60 (Ton)
Auxiliary Hoist Capacity: 6 (Ton)
Main Hook Serial Number: HC22260105
Auxiliary Hook Serial Number: 132702010030B

Boom Length (Max-Min)
11.7 – 45.5 (Meter)
Crane Capacity:
50 Ton
Safe Working Load (SWL):
50 Ton with fully extended outriggers

EXAMINED IN ACCORDING TO BS EN 7121-2-3

Description Details of Load Test @8 Falls	Boom Length(m)	Radius (m)	SWL (Ton)	Test Load (Ton)
Load test at 100 % SWL @3 Falls (**Min.radius**)	**11.7**	**3.0**	**26.0**	**NIL**
Load test at 100 % SWL (**Intermediate radius**)	**20.2**	**12.0**	**11.5**	**11.5**
Load test **Using Auxiliary Block**	**32.8**	**20.0**	**5.1**	**FUNCTION TEST**

Is this the first examination after installation or assembly at a new site or location**?**	**YES**		**NO**	✓	**Was the examination carried out:** Within an interval of 6 months?	**YES**		**NO**	✓
					Within an interval of 12 months?	**YES**	✓	**NO**	
If the answer to the above question is YES, has the equipment been installed correctly**?**	**YES**		**NO**		In accordance with an examination scheme?	**YES**		**NO**	✓
					After the occurrence of exceptional circumstances?	**YES**		**NO**	✓

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **NONE**

Is the above a defect which is of immediate danger to persons	**YES**		**NO**	✓
Is the above a defect which is not yet but could become a danger to persons: (if YES state the date by when) **NONE**	Yes by:			

Identification of any part found to have a defect which is or could become a danger to persons and a description of the defect**:** **NONE**

Particulars of any test carried out as part of examination**:**
The Equipment Has Been Function, Load & Performance Tested as Per **BS 7121-2-1 & BS 7121-2-3:2012** And MPI has Been Done to the Hook According to **ASTME 709**

IS THIS EQUIPMENT SAFE TO OPERATE?	**YES**	✓	**NO**		

Name & Qualifications of person making this report:	Name of person authenticating this report: Signature:	Latest date by which next thorough examination must be carried out:
Ahmed Yahya	**Mustafa Salman**	**31/10/2027**

Name and address of employer of person making and authenticating this report:
Hussein Ali Hussein, Basra, Burjesia

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GENERAL DESCRIPTION OF THE EQUIPMENT	Status			
1 – OPERATOR CAB	**OK**	**NO**	**NA**	**Comments**
Manufacturer's operation manual	✓			
Load chart & operator competency certificate	✓			
Controls / marking & air condition	✓			
Window / wipers / chair / door look & seals	✓			
Body work	✓			
2 – Boom	**OK**	**NO**	**NA**	**Comments**
Head section / root section / intermediate sections	✓			
Jib, boom, turret, boom extension	✓			
Joining pins or bolts	✓			
Foot pins & bushes	✓			
Sheaves, pins & structures	✓			
Chords	✓			
Lights	✓			
3 – SAFE LOAD INDICATOR	**OK**	**NO**	**NA**	**Comments**
Load indicator	✓			
Radius indicator	✓			
Angle	✓			
Audible warning	✓			
Visible warning	✓			
4 – CHASSIS	**OK**	**NO**	**NA**	**Comments**
Structural member / welding	✓			
Security of fastening	✓			
Electrical wiring / pipe work / body work	✓			
Level indicator / main block traveling connection point	✓			
Lights	✓			
5 – WHEELS	**OK**	**NO**	**NA**	**Comments**
Tier walls	✓			
Wheel nut security	✓			
Tier pressure	✓			
Thread	✓			
Rims	✓			
Bearings	✓			

شركة راية الشرق RAYAT AL-SHARQ Co.

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6 – OUTRIGGERS	OK	NO	NA	Comments
Locking mechanism	✓			
Retraction / Travel alarm	✓			No Travel Alarm
Foot pads / Hydraulic hoses and fittings	✓			
Seals	✓			
7 - SLEWRING	**OK**	**NO**	**NA**	**Comments**
Brake / rocking motions / Bolts	✓			
Lubrication	✓			
Gear teeth on slew ring and pinion	✓			
Clutch	✓			
8 – COUNTERWEIGHTS	**OK**	**NO**	**NA**	**Comments**
Security / Connection / Hydraulics / Rams	✓			
Hoses	✓			
Fittings	✓			
9 – MAIN BLOCK / WHIP LINE	**OK**	**NO**	**NA**	**Comments**
Hook / Safety Latch	✓			
Sheaves / Structure / Pins	✓			
Whip line Capacity	✓			
Main block Capacity	✓			
10 - WINCHES	**OK**	**NO**	**NA**	**Comments**
Drum	✓			
Rope anchor	✓			
Spooling	✓			
Brake	✓			
Rope guards	✓			
Clutches	✓			
11 - WIRE ROPE	**OK**	**NO**	**NA**	**Comments**
Main hoist wire rope	✓			
Termination	✓			
Boom wire rope	✓			
Wedge socket	✓			
Whip line wire rope	✓			
12 – SAFTEY DEVICES	**OK**	**NO**	**NA**	**Comments**
Level indicator or Spirit level	✓			
Load limiter	✓			
Limit stops relating to lifting motions	✓			



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LOAD TEST & NDT (MPI) REPORT			
Report No:	2601103002	Examination Date:	01/11/2026

LOAD TEST

Equipment Details

Load Cell Serial No: 30682 / 25532	Vernier Caliper S/N: 400 0576 010	Measuring Tape S/N: N/A

NDT (MPI) FOR CRANE'S HOOK

NDT Details

Standard:	ASTME 709	**Equipment type:**	PERMENANT YOKE	**Contrast Media:**	WHITE CONTRAST
Viewing Condition	Colored media	**Method**	WET	**Indicator:**	BLACK INK

NDT Equipment Details

YOKE S/N	A12-512	**WHITE CONTRAST**	MagnavisWCP-2	**BLACK INK**	Magnavis7HF





Hook Details

Main Hook Serial Number:	HC22260105	**Aux. Hook Serial Number:**	132702010030B
Main Hook SWL:	60 Ton	**Aux. Hook SWL:**	6 Ton

NDT Procedure

Visual &MPI CARRIED OUT FOR THE ABOVE DESCRIPTION AND FOUND FREE OF SURFACE DEFECTS AT THE TIME OF INSPECTION

Identification of any part found to have a defect and a description of the defect: NONE

Particulars of any repair, renewal or alteration required to remedy the defect identified above: NONE

ASNT Level II Inspector Name & Signature: Ahmed Yahya

RESULT: PASS

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